

Regional Market Outlook





- The regional market has experienced exceptional growth.
- Innovation and new technology has and will continue spur growth opportunities for the future

 Market demand for capacity and low costs will drive the requirement for larger regional aircraft

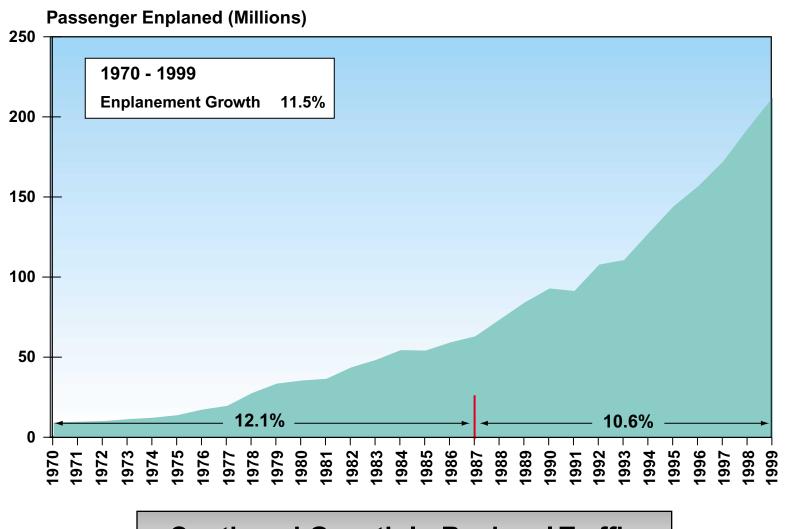
Bombardier Is Uniquely Positioned The Be The Dominant Force In The Regional Aircraft Market

World Regional Passenger Traffic





1970 - 1999



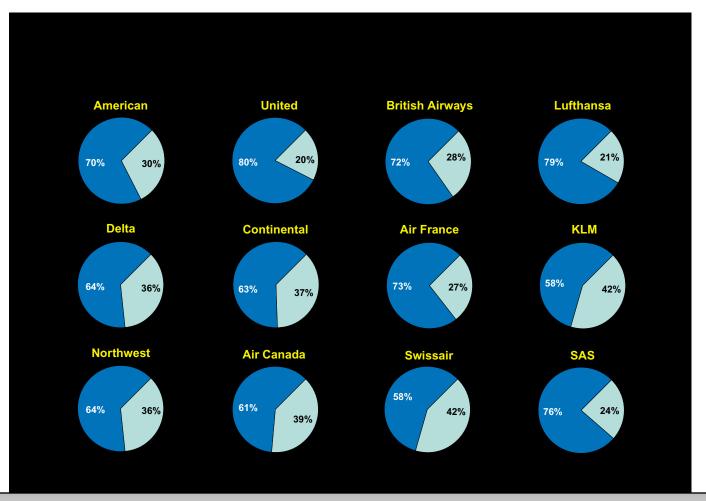
Continued Growth In Regional Traffic

Regional Airlines





An Integral Component of the Transportation System



Regional Aircraft Account For 30% Of The Commercial Aircraft Fleet

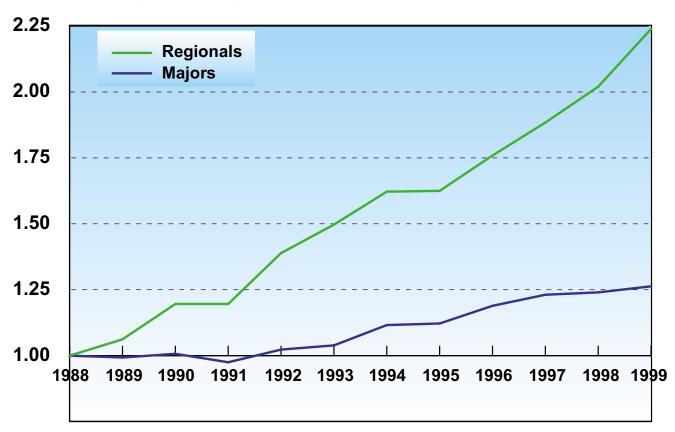
U.S. Regional Airlines vs Majors





10-Year Enplanement Growth

Growth Index (1988 = 1.0)



Regional Airlines: The High Growth Sector Of The U.S. Airline Industry

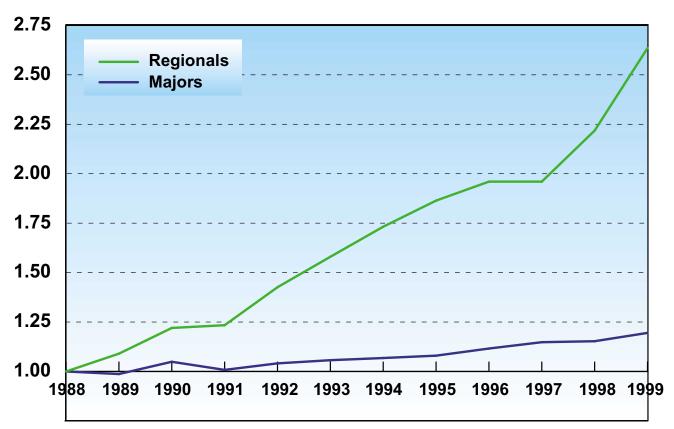
U.S. Regional Airlines vs Majors





10-Year ASM Capacity Growth

Growth Index (1988 = 1.0)



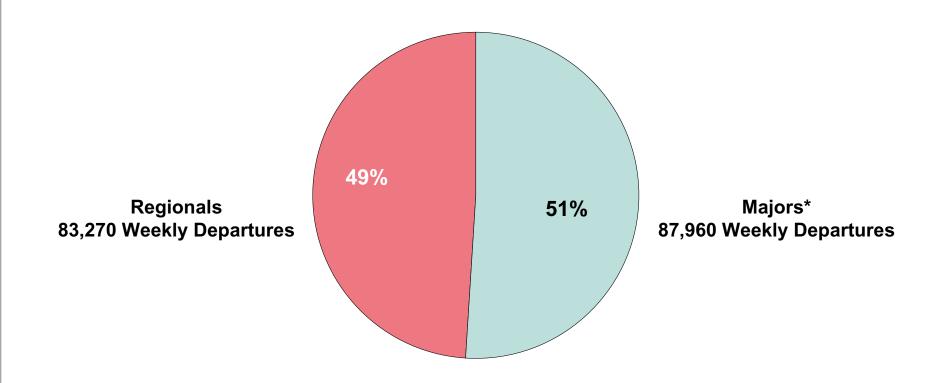
Regional Airlines: Growing Into Larger Aircraft Flying Longer Sector Lengths

Regional Airlines are an Integral Part of the Air Transport Industry





U.S. Weekly Domestic Departures - 1998



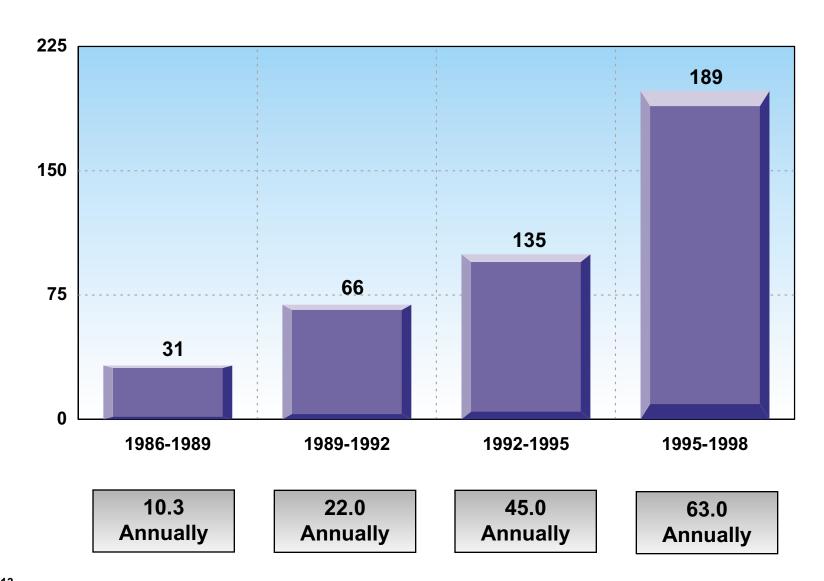
Total Weekly Departures: 171,230

^{*} Domestic Entity, includes U.S. - Canada Source: RAA, US DOT

U.S. Major Regional Airline Route Transfers





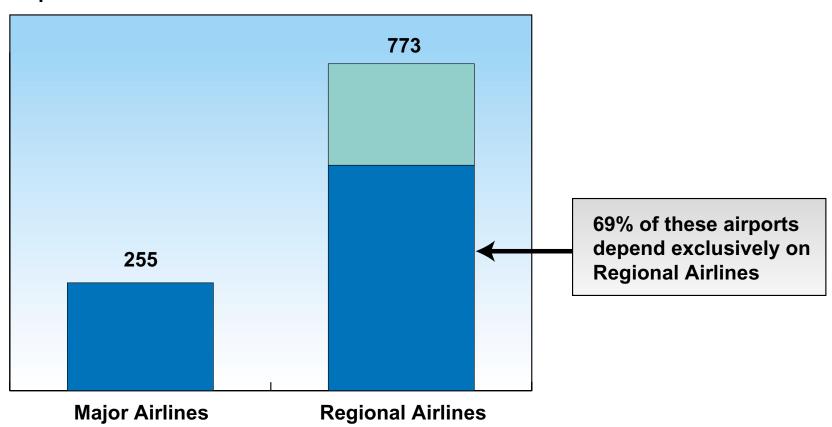


Airline Service at North American Airports





Airports Served in 1998

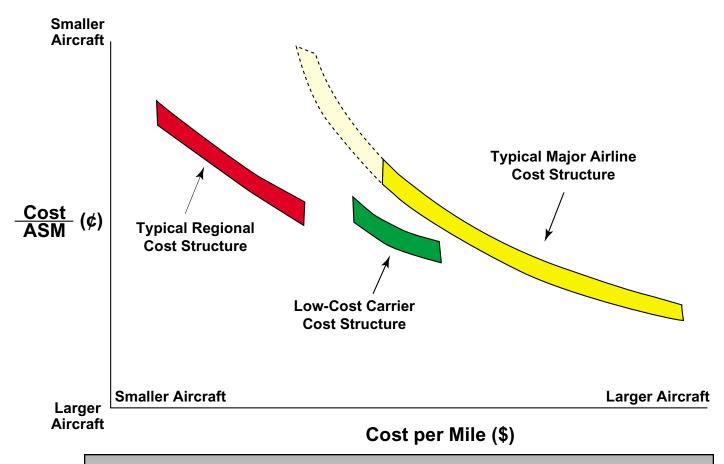


Regional Airlines Are Vital To Our Airports

Typical North American Cost Structures







Successful Operation Of Small Units Of Capacity Is Dependent On Low Cost Structures

Comparative Statistics for U.S. Majors and Regionals





	<u>Regionals</u>	<u>Majors*</u>
Cost per enplanement	\$80.32	\$118.88
Revenue per enplanement	\$93.89	\$132.69
Break-even load factor	50%	63%

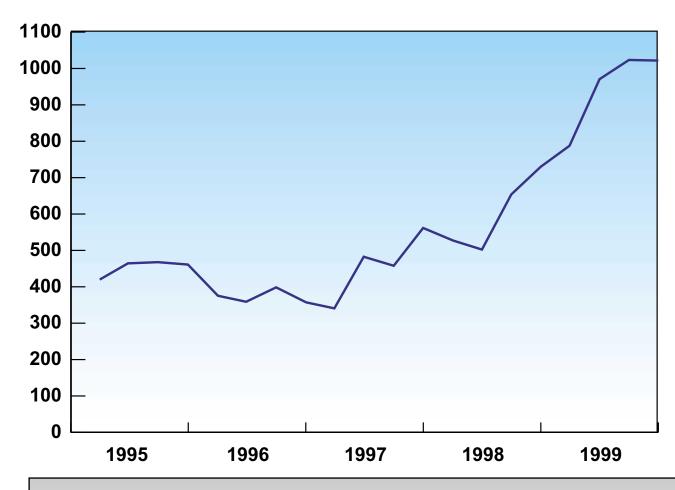
Regional Airlines Are The Low-Cost Producers In The Airline Industry

^{* 1998} Domestic Division for Majors Source: US DOT

Regional Aircraft Industry Backlogs 20-90 Seat Market







The Regional Aircraft Industry Is Strong & Healthy

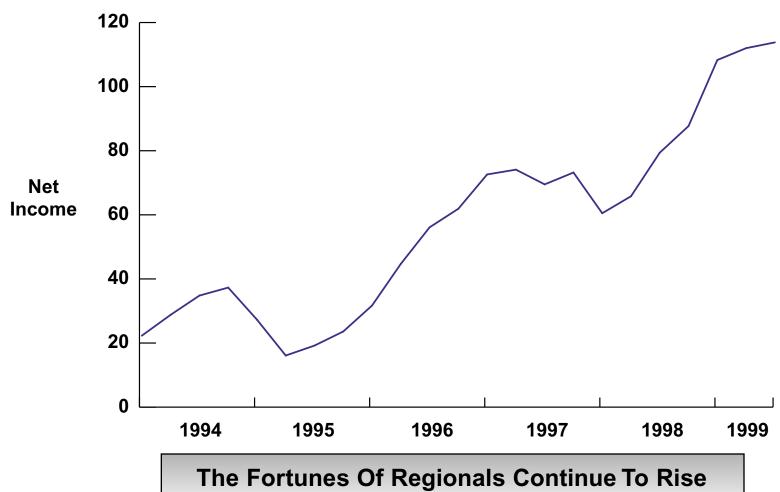
Top 12 U.S. Regional Airlines





Net Income (millions)

4 Quarter Moving Average



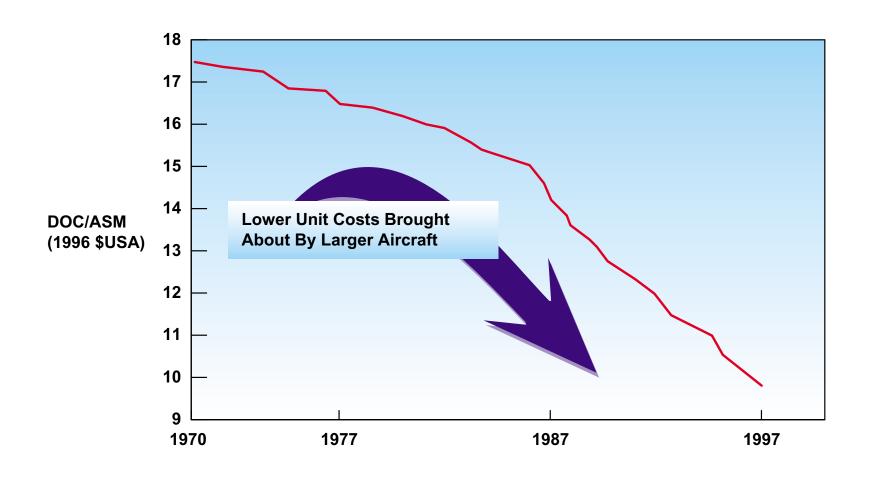
Source: US DOT & Annual Reports

CEB113

Regional Airline Operating Costs





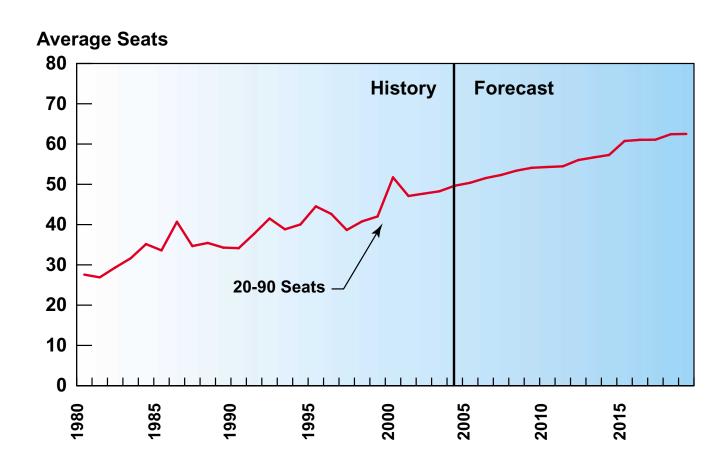


Growth Stimulated As Savings Passed On To Consumer

Average Aircraft SizeWorldwide Deliveries







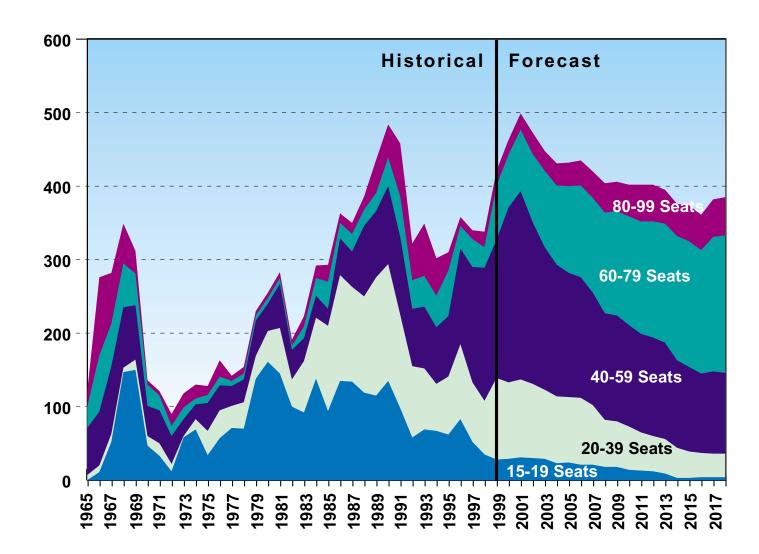
Average Regional Aircraft Size Will Continue To Grow At One Seat Per Year

Worldwide Aircraft Delivery Forecast





All Markets, 15 - 99 Seats 1999 - 2018



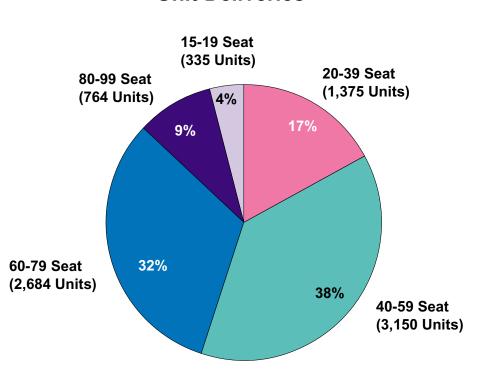
World Regional Aircraft Deliveries



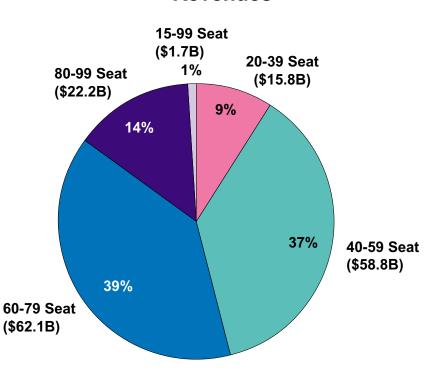


All Markets, 15 - 99 Seats 1999 - 2018

Unit Deliveries



Revenues



Total Deliveries = 8,308 Units

Total Value = 160.6 Billion \$US

The Leader in the Regional Aircraft Market







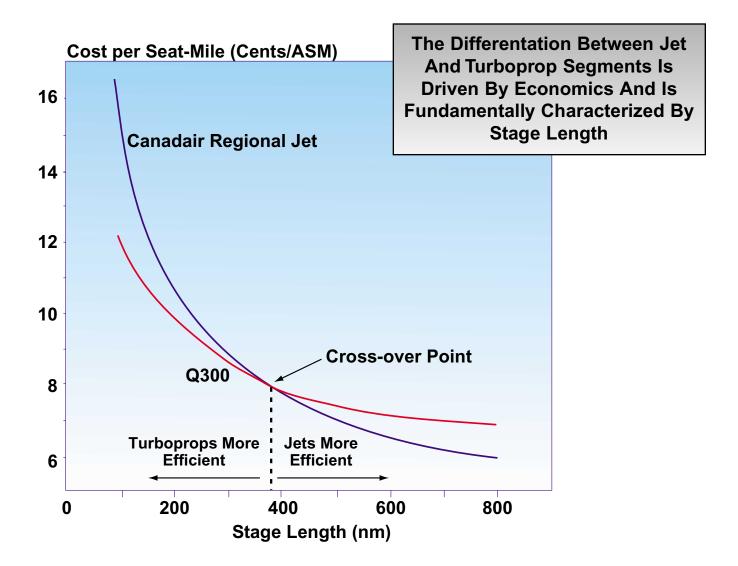


1,867 Orders And Options For Our Current Product Families

Direct Operating Cost Comparison Q300 and Canadair Regional Jet





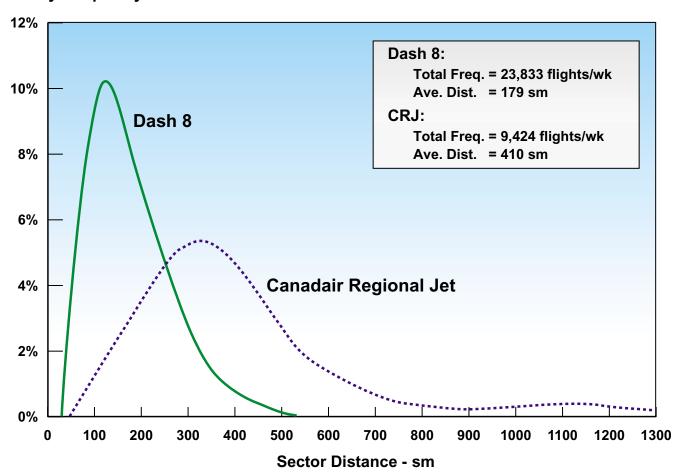


Sector Distances: Dash 8 vs CRJ





Weekly Frequency

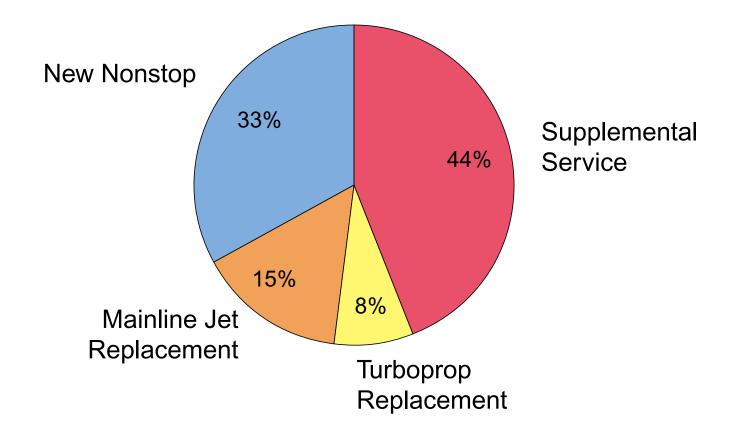


Source: OAGmax Airline Schedules May 1998

Regional Jet Service in North America



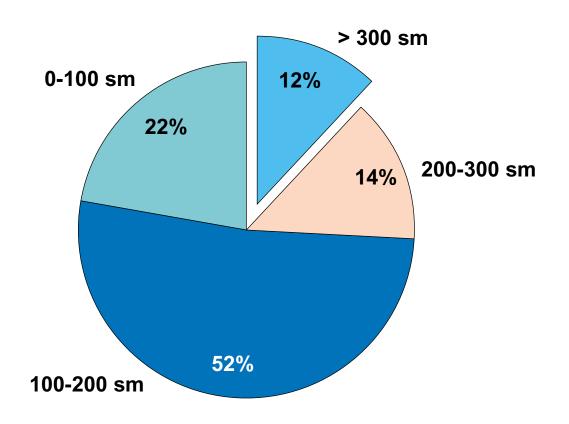




Turboprops Are Used On Short-Haul Routes







There Are 6,500 Active Turboprops Worldwide; 88% Operating On Stage Lengths Less Than 300 sm

Source: BRAD

CEB113

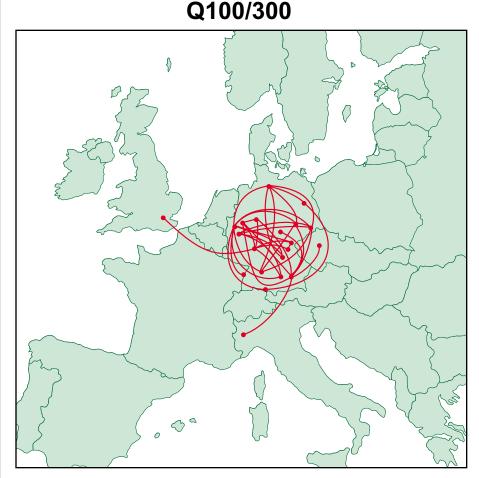
CRJ and Dash 8 Applications Lufthansa CityLine & Team Lufthansa

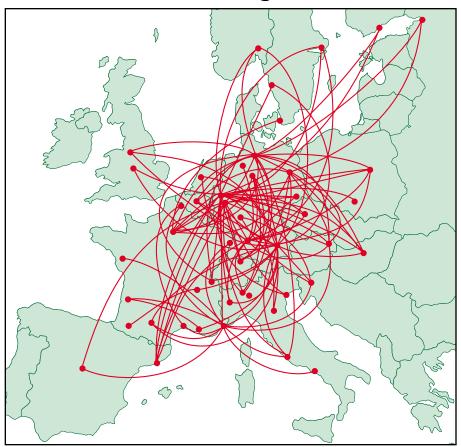
BOMBARDIER *AEROSPACE*



0400/200

Canadair Regional Jet





Team Lufthansa

Avg. Stage Length = 198 st. mi.

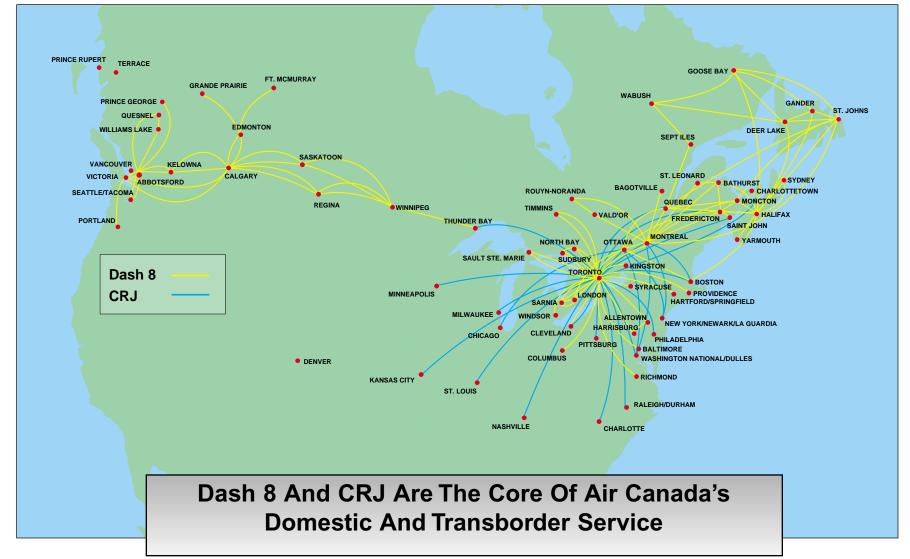
Lufthansa CityLine

Avg. Stage Length = 459 st. mi.

Air Canada's Dash 8 and CRJ Route Structure



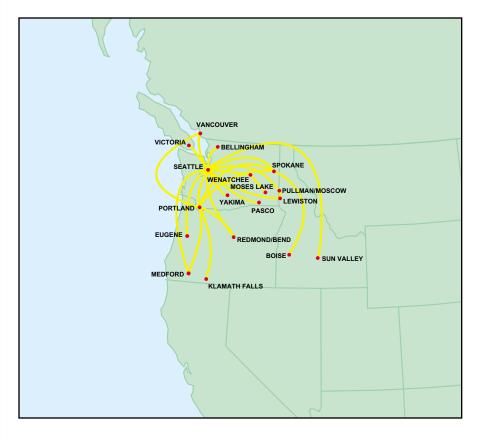




Horizon Air









Dash 8 Routes

CRJ Routes

CRJ and **Dash** 8 Applications

BOMBARDIER *AEROSPACE*



Tyrolean



Average Stage Length = 367 km



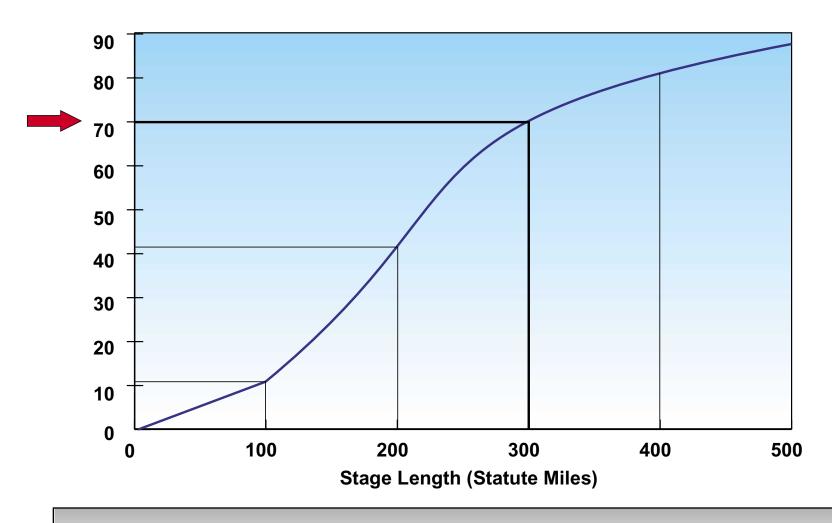
Average Stage Length = 636 km

U.S. Regional Airlines

BOMBARDIER *AEROSPACE*



Cumulative Departures by Stage Length



70% Of U.S. Regional Departures On Stage Lengths Less Than 300 Miles

Key Product Trends for Regional Airlines





- Growth aircraft requirement
 - 50-70 seats in USA
 - 70-90 seats in Europe
- Operational flexibility
 - Outstanding economics for short-stage
 - Superior jet productivity for long haul
- Product Commonality
 - Significant economic advantage with common fleet
 - Range of aircraft sizes for different market needs

CRJ Family







Mediciny



ASA

Midway

Atlantic Coast







Atlantic Southeast

Comair

American Eagle

1,183 Orders And Options; 371 In Service

Canadair Regional Jet Series 700 American Eagle







Family Commonality is a Key Advantage



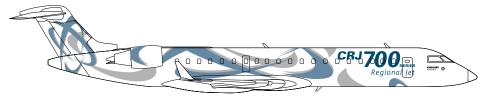




Entry in Service: 1992

CRJ100/200 Series

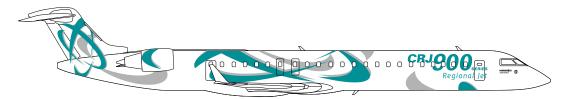
50 Seats



Entry in Service: 2001

CRJ700 Series

70 Seats



Entry in Service: 2002

CRJ900 Series

90 Seats

Q Series Dash Family





U.S. Airways



Tyrolean



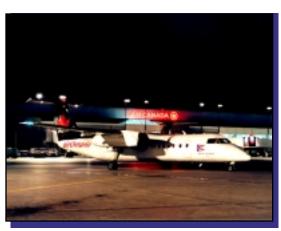
Air Canada



SAS



Brymon







684 Orders And Options; 539 In Service

Q Series 400 SAS



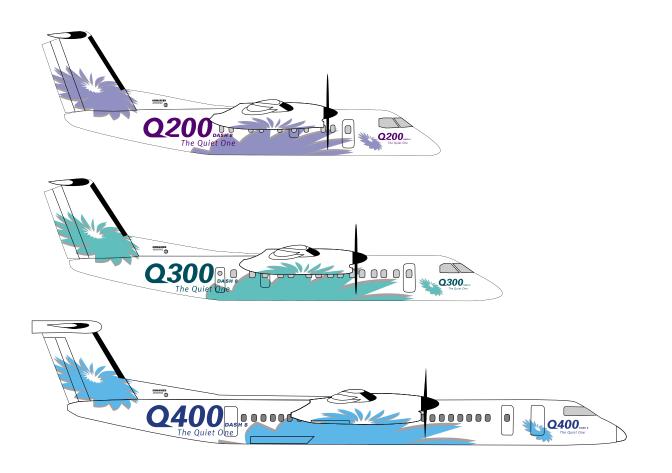




Family Commonality is a Key Advantage







Q200 Series
37 Seats

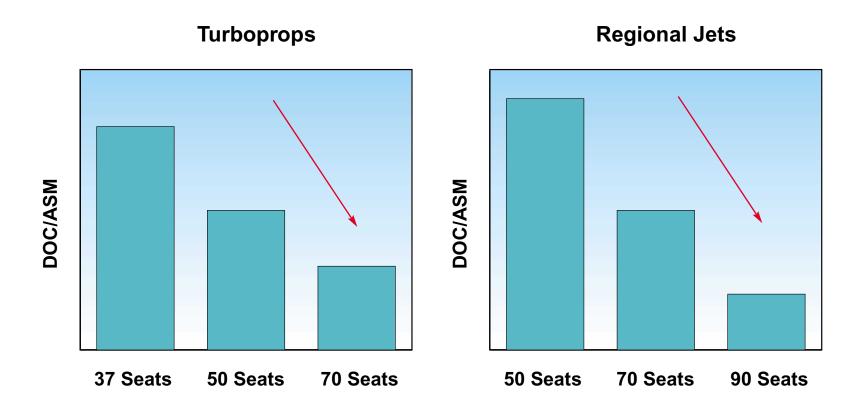
Q300 Series
50 Seats

Q400 Series 70 Seats

Direct Operating Cost Impacts Due to Growth BOMBARDIER



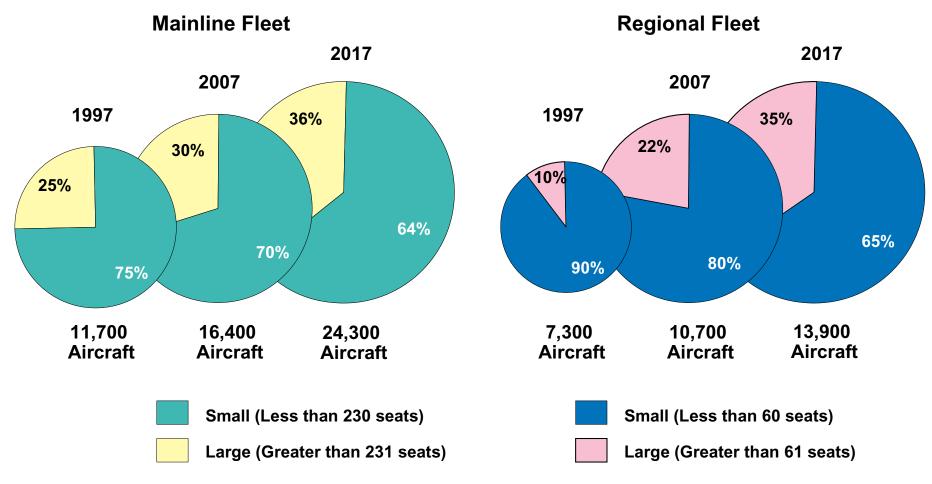




Worldwide Aircraft Fleet







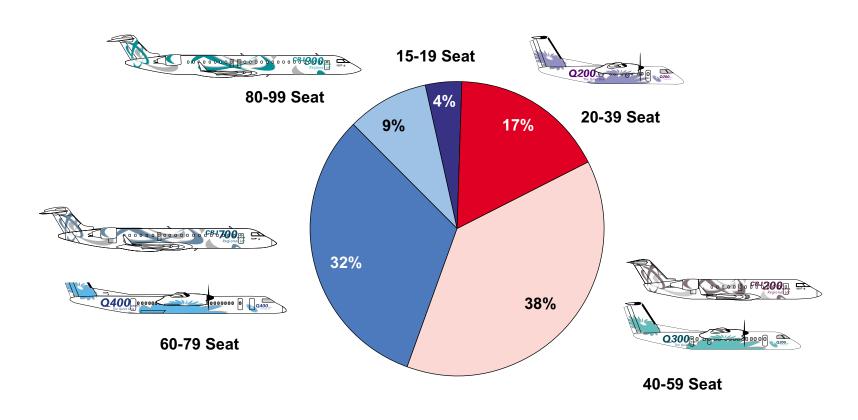
To Keep Up With Mainline Growth;
The Regional Fleet Must Grow In Both Size And Capacity

World Regional Aircraft Delivery Forecast All Markets, 20 - 99 Seats





1999 - 2018



The Leader in the Regional Aircraft Market





- Market Leadership
- Broadest Family of Aircraft
- Innovation and New Technology
- Customer Service Excellence

We Make Aircraft. We Build Business

Trends, Issues and Challenges





Bombardier's influence and strength is based on understanding industry needs and anticipating trends and issues



Q Series



CRJ



Global Express



Learjet



Challenger



Amphibian